

CLAIMS

1. A polyurethane composition obtainable by reacting two components A and B,
- 5 a) at least one polyurethane prepolymer A1 obtainable by reacting at least one polyol component with at least two at least difunctional different isocyanates being used as component A and
- b) an at least difunctional hardener containing at least two isocyanate-reactive functional groups per molecule being used as component B, and the ratio of isocyanate groups to isocyanate-reactive functional groups
- 10 being greater than 0.75:1 and smaller than 1.15:1.
2. A polyurethane composition as claimed in claim 1, characterized in that the ratio of isocyanate groups to isocyanate-reactive functional groups is more than 1 to 1.15:1.
3. A polyurethane composition as claimed in claim 1 or 2,
- 15 characterized in that TDI and MDI are used as the at least two difunctional different isocyanates.
4. A polyurethane composition as claimed in any of claims 1 to 3, characterized in that the polyol component has a functionality of 2.0 to 2.3.
5. A polyurethane composition as claimed in any of claims 1 to 3,
- 20 characterized in that the polyol component contains at least one polyester and at least one polyether.
6. A polyurethane composition as claimed in any of claims 1 to 3, characterized in that the polyol component contains at least one polyester, at least one difunctional polyether and at least one trifunctional polyether.
- 25 7. A polyurethane composition as claimed in any of claims 1 to 3, characterized in that component A has an NCO group content of 2 to 8% by weight before components A and B are mixed.
8. A process for the production of the polyurethane composition claimed in any of claims 1 to 7, in which at least two components A and B
- 30 are reacted with one another,

10030266.051502

- (a) at least one polyurethane prepolymer obtainable by reacting at least one polyol component with at least two at least difunctional different isocyanates being used as component A and
- (b) an at least difunctional hardener containing at least two isocyanate-reactive functional groups per molecule being used as component B, and the ratio of isocyanate groups to isocyanate-reactive functional groups being greater than about 0.75:1 and smaller than about 1.15:1.
9. The use of the polyurethane composition claimed in any of claims 1 to 7 or produced by the process claimed in claim 8 as a contact adhesive.
10. A resealable pack produced using the polyurethane composition claimed in any of claims 1 to 7 or produced by the process claimed in claim 8.

10030266-051502